

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for performing motion estimation comprising:
receiving a stream of data comprising one or more bidirectionally interpolated frames (B-frame) and a plurality of anchor frames; and
unidirectionally predicting content of each B-frame from a temporally closest anchor frame, wherein, with respect to each B-frame:
if the temporally closest anchor frame is previous to the B-frame, only
unidirectionally forward predicting the content of the B-frame from only the temporally
closest anchor frame;
if the temporally closest anchor frame is subsequent to the B-frame, only
unidirectionally backward predicting the content of the B-frame from only the temporally
closest anchor frame; and
wherein the unidirectionally predicted B-frame that is predicted only from the
temporally closest anchor frame comprises a frame that is defined as a bi-directionally
predicted frame according to an encoding protocol for the stream of data.

2. (Original) The method of claim 1, wherein the content of the B-frames is unidirectionally predicted from the content of the temporally closest anchor frame and one or more motion vectors.
3. (Original) The method of claim 2, wherein the one or more motion vectors represent an activity measure of the temporally closest anchor frame.
4. (Original) The method of claim 3, wherein the motion vector is determined by a sum of absolute differences in activity within the temporally closest anchor frame.
5. (Canceled).
6. (Original) The method of claim 1, wherein the plurality of anchor frames and B-frames contain progressive video content.
7. (Original) The method of claim 1, wherein the plurality of anchor frames and B-frames contain interlaced video content.

Claims 7-19 (Canceled).

20. (New) A machine readable physical storage medium comprising a plurality of instructions that, in response to being executed result, in an apparatus performing a method for motion estimation comprising:

receiving a stream of data comprising one or more bidirectionally interpolated frames (B-frame) and a plurality of anchor frames; and

unidirectionally predicting content of each B-frame from a temporally closest anchor frame, wherein, with respect to each B-frame:

if the temporally closest anchor frame is previous to the B-frame, only unidirectionally forward predicting the content of the B-frame from only the temporally closest anchor frame;

if the temporally closest anchor frame is subsequent to the B-frame, only unidirectionally backward predicting the content of the B-frame from only the temporally closest anchor frame; and

wherein the unidirectionally predicted B-frame that is predicted only from the temporally closest anchor frame comprises a frame that is defined as a bi-directionally predicted frame according to an encoding protocol for the stream of data.

21. (New) The machine readable physical storage medium of claim 20, wherein the content of the B-frames is unidirectionally predicted from the content of the temporally closest anchor frame and one or more motion vectors.

22. (New) The machine readable physical storage medium of claim 21, wherein the one or more motion vectors represent an activity measure of the temporally closest anchor frame.

23. (New) The machine readable physical storage medium of claim 22, wherein the motion vector is determined by a sum of absolute differences in activity within the temporally closest anchor frame.

24. (New) The machine readable physical storage medium of claim 20, wherein the plurality of anchor frames and B-frames contain progressive video content.

25. (New) machine readable physical storage medium of claim 20, wherein the plurality of anchor frames and B-frames contain interlaced video content.